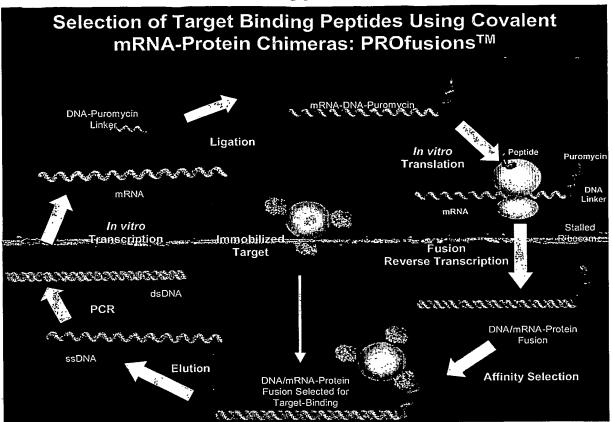


FIGURE 2



Ta l	Target: Pertussis toxin	Library: Gurmari	rin						
		3		-		Epoxy-PT	biot PT	biot PT	
		R	R2	R3	THE THE STATE OF T	R5a	R5b	R6a	R6b
÷	PCR Yes The PCR	4. 等一致"是"的"是"的"E		经验的证明	THE PARTY OF THE P			from R5a	from R5b
	1.1. Analytical RT-PCR		-						
	specific signal after x rounds of PCR		18	24	24	24		24	15
1			21		24	72		27	24
Ì	1.2. Preparative PCR		经过程的证据的	生物を言うない	San State of the San St	11-15元素条件,到每	3.		
	done with z rounds of PCR		36	30	30	32		30	30
7	in vitro transcription				为国际公司,不可以的				
寸	scale		2x 500 µl	1x 500 µl	1x 500 µl	1x 500 µl		1x 500 µl	1x 500 µl
	DNase digestion done		g.	yes	yes	yes		yes	yes
ņ	NAP5 geimtration	2.1. S.		1 10 mm 1		· · · · · · · · · · · · · · · · · · ·		,	
士	(np/E1/E2/E3		500/300/400/200	500/300/400/200	500/300/400/200	500/300/400/200		500/300/400/200	500/300/400/200
1	yield purified RNA in pooled E1 (OD260)		20 nmol	13 nmol	12.7 nmol	11.6 nmol		16.3 nmol	17.6 nmol
4	i inter comfine	- 5	A. Grand St. Co., No. of St. Co.	Caragona Ca	Section 1997 Control of the Control	6.6 пто			
İ	Linker type		PEG2A18	DEGO		0000	. 42	20.00	
	input		6 pmol	5 nmol	5 nmol	5 nmol		5 pmol	7 E G Z
	coupling efficiency		%0 2	%02	20%	%02		70%	20%
Ħ	lyield linker coupled RNA		4.2 nmol	3.5 nmol	3.5 nmol	3.5 nmol		3.5 nmol	3.5 nmol
ιό	in vitro Translation and PROfusion TM	111 100	13.26	The second secon	1000円の				
1	formation						1		
1	input		4.2 nmol	3.5 nmol	3 пто	3 пто		3 nmol	i
1	RNA / 200 µl lysate		260 pmol	290 pmol	250 pmol	250 pmol		250 pmol	250 pmol 25
1		١	over night	over night	over night	over night	100 mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m	over night	
اهٔ	Oligo(a 1) purincation	明確からの関係が確認し	ないというないできない。	では、おの変数を対	Marie Contract	200 美人的基本是			
\pm	puriled on x coloumns		2	4	4	4		4	4
1	emciency		4.5%	4.4%	2.7%	7.2%		3.3%	2.7%
ţ		F	187 pmol	156 pmol	81.1 pmol	217 pmol	A. 1887	97.6 pmol	81.1 pmol
1	reverse uniscription	· · · · · · · · · · · · · · · · · · ·				に強なるの人のと記録			
1	Conditions		1 mm D1 [1 mM DTT	1 mM DTT	1 mM DTT	-7.4	1 mM DTT	1 mM DTT
~	Hie-Tag mirkfration	THE COLUMN THE PARTY OF THE	168 pmoi (3/4)	(2.5 pmoi (1/2)	50.4 pmol (3/4)	lomd 0c		40 pmol	50 pmol
1	include purincation		The state of the s	~		A STATE OF THE STA		1000	
	ייים ייים		100 pmoi	90./5 pmol (/2 pmol + 18 pmol ohne RT)	61,9 pmol (3/4 KI +	45 pmol RI + 27.6 pmol RNA		35 pmol RT + 15 pmol	43 pmol RT + 19
	efficiency	34%	40%		43%	41%		36%	43%
1	yield	55 pmol	66.6 pmol	59.2 pmol	26,4 pmol	27.6 pmol		18 pmol	26.4 pmol
a	in volume of	profession and the second seco	450 µl		450 µl	450 µl		450 μί	450 μ
	selection volume	1 ml	1 mi		E .	- T	- F	100	100 4
L	input	18 pmol	5 nmol	5 nmol	5 pmol	1 2 mm	5 pmol	5 omol	Jome
	final concentration of immidazol	45 mM	8 mM	6 mM	6 mM	11.4 mM	11.4 mM	18.8 mM	21 5 mM
		3x 100 µl HBS		3x 100 µl HBS	3x 100 ul HBS	2x 100 ul HBS	3x 100 ul HBS	3x 100 ul HBS	3x 100 ul HBS
		blocked streptavidin		blocked streptavidin blocked epoxy beads	blocked, biotin	blocked epoxy	blocked, biotin	blocked, biotin	blocked, biotin
		peads	Deads		saturated	peads	saturated	saturated	saturated
					streptavidin beads		streptavidin beads	streptavidin heads	streptavidin
Ц	first preclear binding	%0	background	background	background	23/24 dpm	80/50/32 dpm	37/33/34 dbm	72/30/37 dom
	beads saturated with a puls of biotin	yes	yes	ဥ	yes	20	Sex	Ves	ves
	effective concentration of PT	100 nM (50 nM)	100 nM (50 nM)	50 nM	100 nM (50 nM)	50 nM	100 nM (50 nM)	100 nM (50 nM)	100 nM (50 nM)
_	conditions				60 min at RT	90 min at RT	90 min at RT	90 min at RT	90 min at RT
\exists	specific binding %	•	•	1	0.2%	1.0%	5.2%	9.4%	11.6%

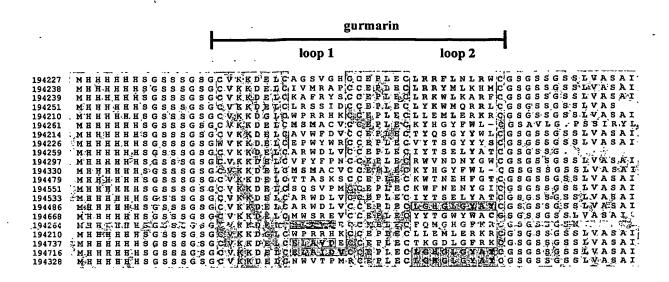
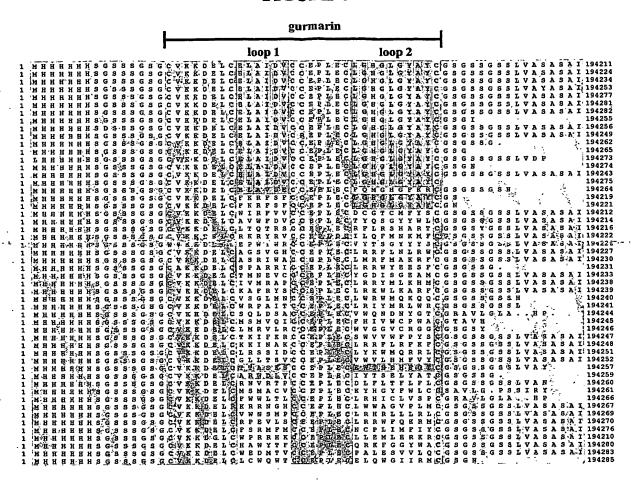


FIGURE 4



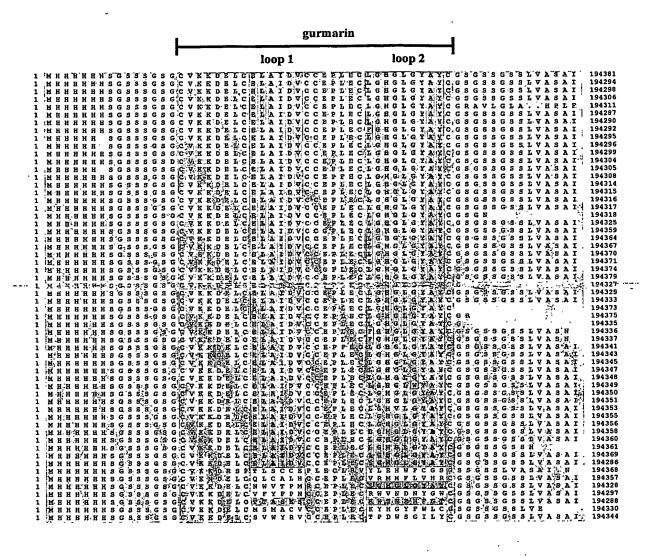


FIGURE 5

7/28

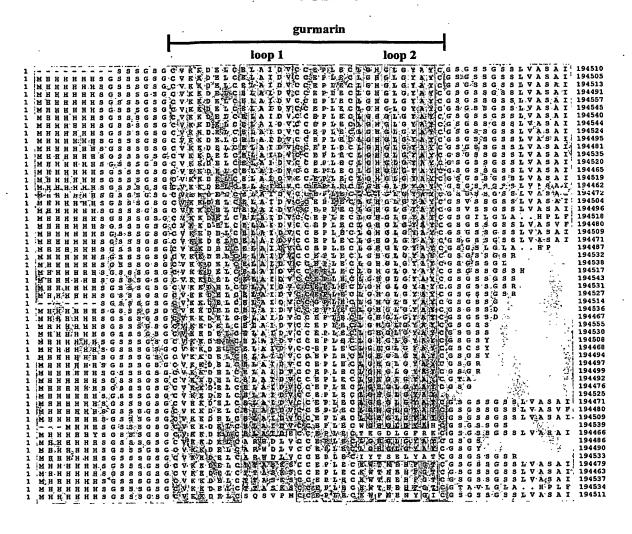
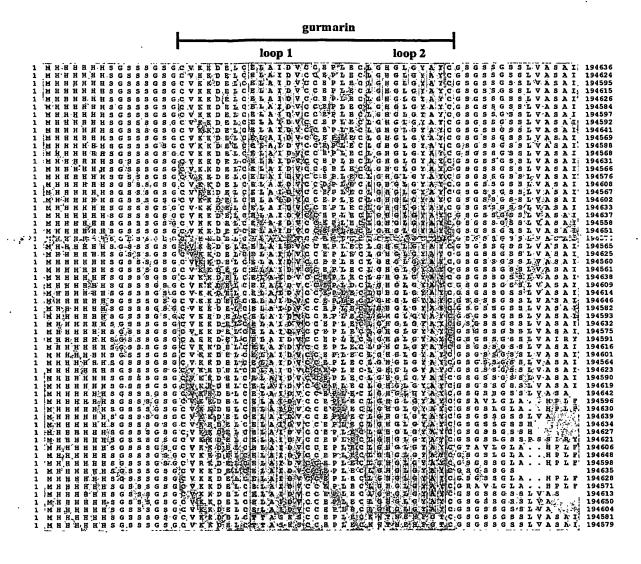


FIGURE 7



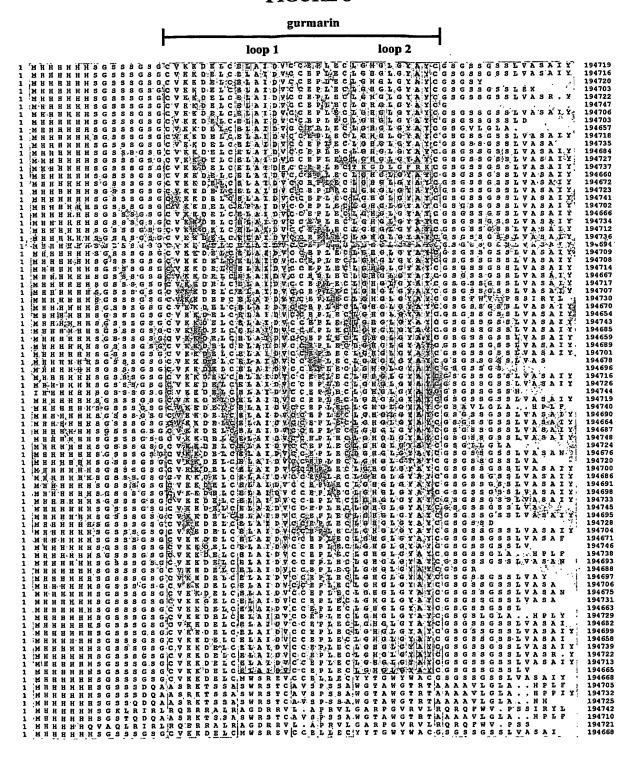


Table 2: selection or exiety of PEREselection against immobilized PT

Tarnet	Target: Perfussis foxin	Library: PP26				-			
						epoxy bead imm. PT	biot PT		blot PT
_				R8		RGA	R5b ···	rii)	Reb
1.					The second secon			from R5a	from R&b
1.1	1.1. Analytical RT-PCR								
	specific signal after x rounds of PCR		18	18	24	. 24		!	
	control signal after y rounds of PCR		_	21 24	24	24		A STATE OF THE PARTY OF THE PAR	
1.2	Preparative PCR								The state of the s
+	done with z rounds of PCR		38	30	30 Single bond	32			
	Anand	A Contract of the Contract of		niina nainina	allige pario	DING DOING		The state of the s	1
77	scale	30	1	1x 500 h	1×500 L	1×500 L			
$rac{1}{1}$	DNasa digestion done		2	2	Nes	sak			
<u> </u>	Allano Allano						And the second s		
3	NAP5 geliffration								CASSISTED TO
	Inp/E1/E2/E3		500/500/400/200		500/300/400/200	500/300/400/200	The same and the s		
	in pooled E2 (OD280)		28 nmol	16 nmol	6.3 nmol	12.4 nmol			
(*)			لينا						
			PEG2	PEG2	PEG2	PEG2	No.		
	input		6 nmot	4.5 nmol	5 nmol	5 nmol	Branch Frank		
	coupling efficiency		70%	70%	70%	%0Z			
$\frac{1}{2}$	yield linker coupled RNA		4.2 nmol	3.15 nmol	3.5 nmol	S.D. TIMOI			
	quality	1.5	THE PROPERTY OF THE PARTY OF TH						
ó	incidential and research formation.	~1	4.2 nmol	3 15 nmol	3 nmol	3 nmol			
$\frac{1}{1}$	BNA / 200 ts		260 pmol	260 pmol	250 pmol	250 pmol			
-	salt incubation at -20C	over weekend	over night	over night	ı	over night			
9	Olloo(dT) purification	在本公司公司的		1. 计程序系统				TANKS TANKS IN SEC.	A STATE OF THE PARTY OF THE PAR
1	purified on x coloumns			4		4			
	efficiency	8%	2.1%	1.89%	2,16%	5.8%			
			직	56.7 pmol	64,9 pmol	175 pmol	The state of the s		manufacture of the second seco
7.	nscription				が大きない。	大学 はいまた またり ほんか		TOTAL COMPLET	A CONTRACTOR OF THE PARTY OF TH
	conditions		1 mM DTT	1 mM DTT	1 mM DTT	1 mM DTT	X,,		
-	input		86 pmol (3/4)	42.5 pmol (3/4)	40.3 pmol (3/4)	SO pmol			
$\frac{1}{2}$	efficiency of RI					,			
1	yield of RI-RNA								
•	Hole The supplied on Na	では、大学の日本の日本の日本	Control of the second		SACTOR NAME OF STREET	の名のでは、一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一般の一			
ô	늍	9.62345-0-0	0.75 mN	0.7 mM	0.52 mM	0.5 mM			
_									
	120		88 pmol	42.5 pmol (RT Ansatz, ohne nicht-RT)	47 pmol (3/4 RT + 1/4 OdT	45 pmol RT + 21 pmol RNA			
L	efficiency	34%	25%	30.6%	35%	41%	字形が 野野 重要を		
$\frac{1}{2}$	yield	55 pmol (1/4)	18.7 pmol	12.2 pmol	18.5 pmol	27.6 pmol			
+	in volume of	Ollowing (Thypolic	490 μ	d one	430.0	n oct			
6	できた。 できた。 できた。 できた。 できた。 では、 では、 では、 では、 では、 では、 では、 では、							A CONTRACTOR OF THE PARTY OF	一次の大学 一大
	selection volume	1ml	Ļ		1 El	im1	1ml	1111	1 mJ
L	Input	18 pmol	5 pmol	5.3 pmol	5 pmol	5 pmol	5 pmol	5 pmol	5 pmal
L	final concentration of immidazol	25 mM	18 mM	19.5 mM	6 mM	12.3 mM	3x 1bd griM	3x 424mpM	3x3408 gmM
		0.007		B 007 -0	•	2,5	blocked, blotin	blocked, biotin	blocked, blotin
_	predear	streptavtdin beads	streptavidin beads	epoxy beads		b'ocked epoxy beads	saturateu streptavidin beads	saurareo su opravium beads	beads
L	first preclear binding %	%0	0.5%	background	0.5%	, 42 dpm	0.3%	278/214/208 dpm	72/30/37 dpm
Ľ	selection on biotinylated Pertussis toxin (1924)	serie 1	serie 1		serte 1		serie 1	serie 1	serie 1
	Epoxy-bead coupled PT			serie 1		serie 2			
\pm	PT- beads saturated with a puls of blotin	yes FO PAR (17-1)	yes Form (17-1)	yes FO pM (1/~3)	yes 50 nM (17-3)	FO PM	yes 100 nM /50 nM	100 nM (50 nM)	yes,
$\frac{1}{1}$	enecilve concentration of F1	Out alaht of AP	SO win of DT	Oo min of DT	60 min of DT	An to dim Op	90 min at RT	90 min at RT	90 min at RT
\pm	cooring binding 94	OVER TRIBITION 40	י פסווווון פור צו	30 IIIII at N	12%	0.5%	4.2%	2.8%	3.6%
	אכחוויה חוושוווא יי					**************************************			

197588 MGRGSHHHHHHARSNVIPLNEVWYDTGWDRFHRSRLSIDDDANAPKASAI
197947 MGRGSHHHHHHARSVGTTIRIAQDTEBYRNVYHKISQXSRDANAPKASAI
198000 MGRGSHHHHHHARSWRDTRKLHMRHYFPLAIDSYWDHTLRDANAPKASAI
197983 MGRGSHHHHHHHARSWRDTRKLHMRHYFPLAIDSYWDHTLRDANAPKASAI
197988 MGRGSHHHHHHHARSWRDTRKLHMRHYFPLAIDSYWDHTLRDANAPKASAI

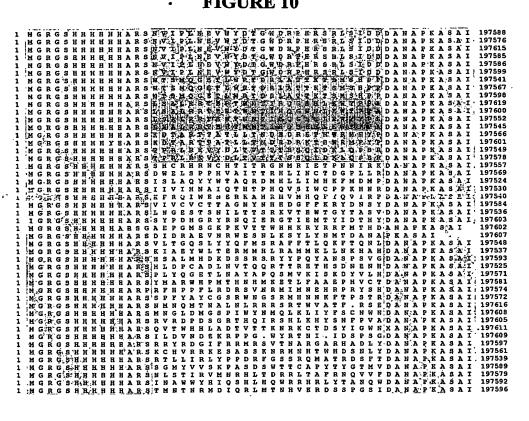
197836 MGRGSHHHHHHARS TANTON TO THE TOTAL TO DANAPKASAI
197552 MGRGSHHHHHHARS TANTON THE TOTAL T

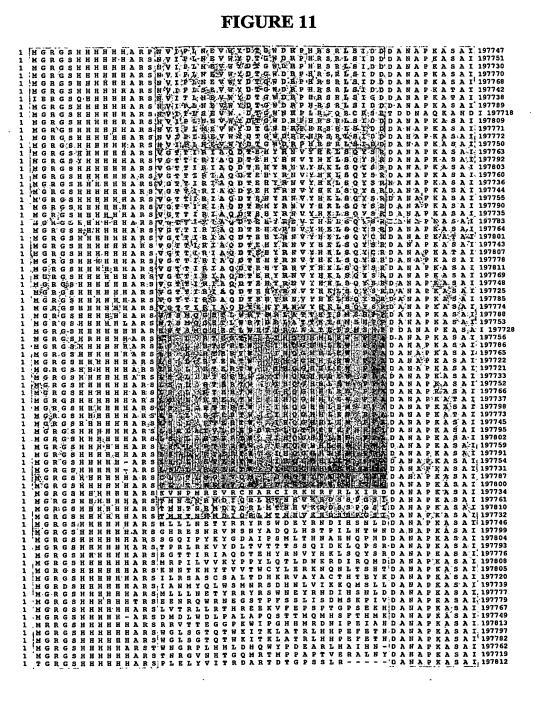
197611 MGRGSHHHHHHARSQVTWHHLADTVTTKNRKCTDSYIGWNXANAPKASAI.
197530 MGRGSHHHHHHARSIIVIENAIQTHTPHQVSIWCPPKHNRDANAPKASAI.
197557 MGRGSHHHHHHARSSHCRERNCHTITRGNMRIETPNNIRKDANAPKASAI.
197797 MGRGSHHHHHHARSWGLSGTQTWKITKLATRLHHPEFETNDANAPKASAI.

197888
MGRGSHHHHHHHARSWRWHNWGLSDTVASHPDASNSLNMMYDANAPKASAN
197897
MGRGSHHHHHHHLDLWGPPSGSPRTRSTTGTSTTSSPSTPGTTTLRRHPH
197825
MGRGSHHHHHHHARSWQPEVKMSSLVDTSQTVGAAVETRTTDANAPKASA

FIGURE 9

. . . .





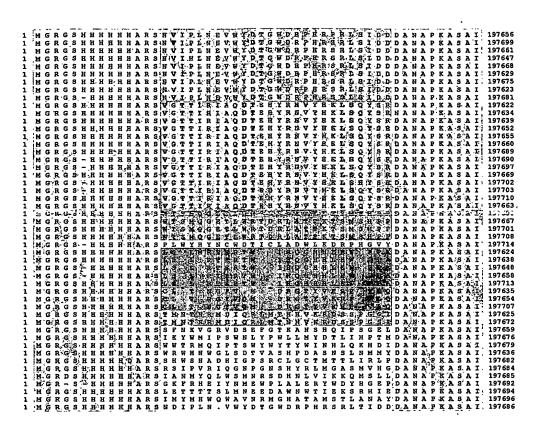


FIGURE 13

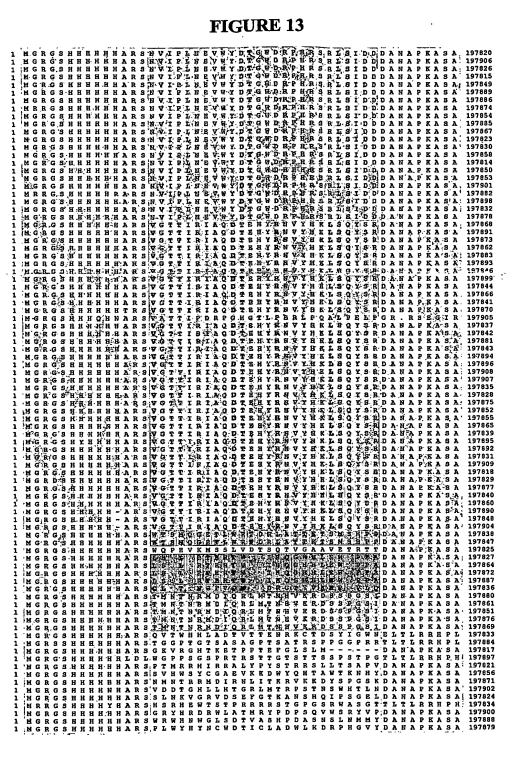
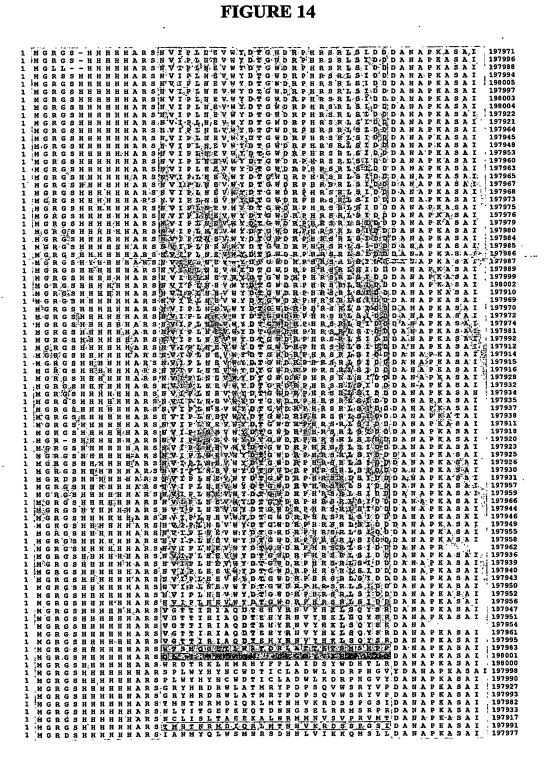
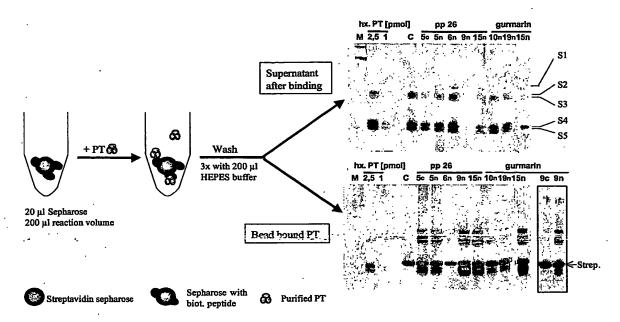
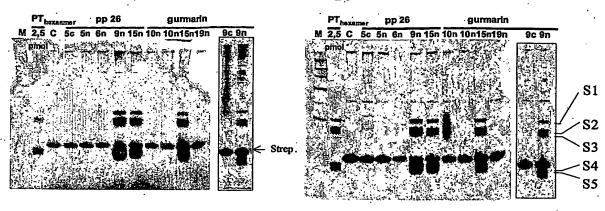


FIGURE 14

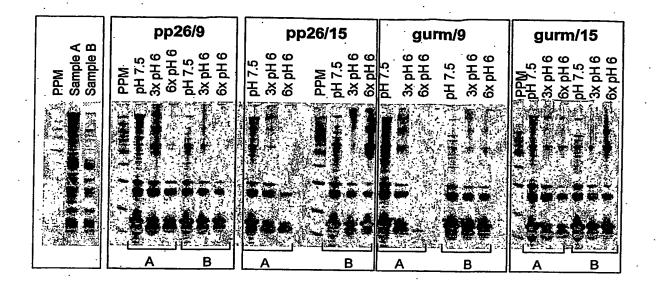




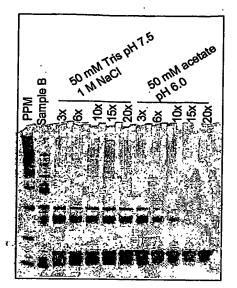
18/28 **FIGURE 16**

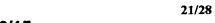


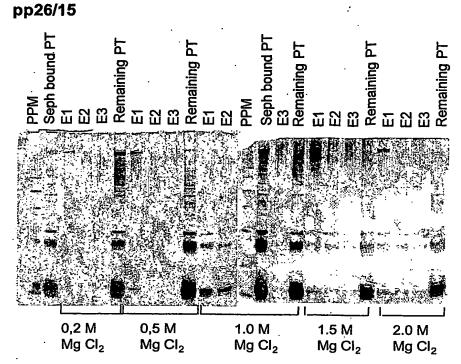
19/28 **FIGURE 17**



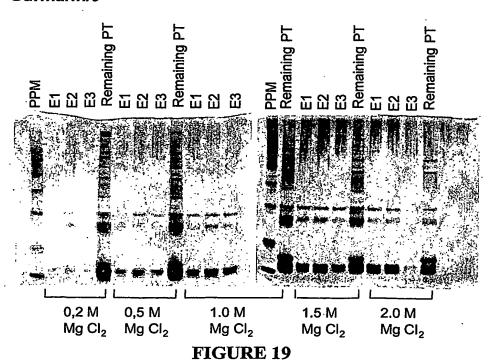
20/28 FIGURE 18.







Gurmarin/9



Elution with glycin pH 2.5

Elution with carbonate pH 10.5

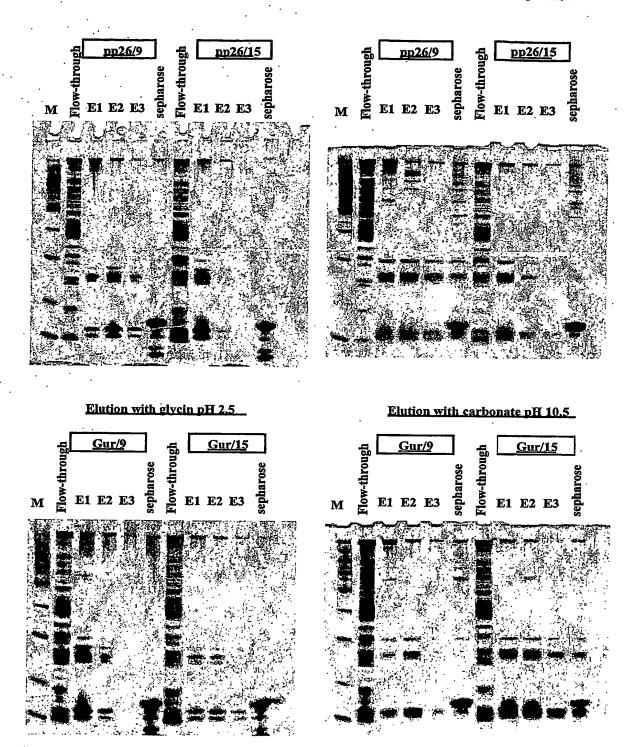


FIGURE 20

FIGURE 21

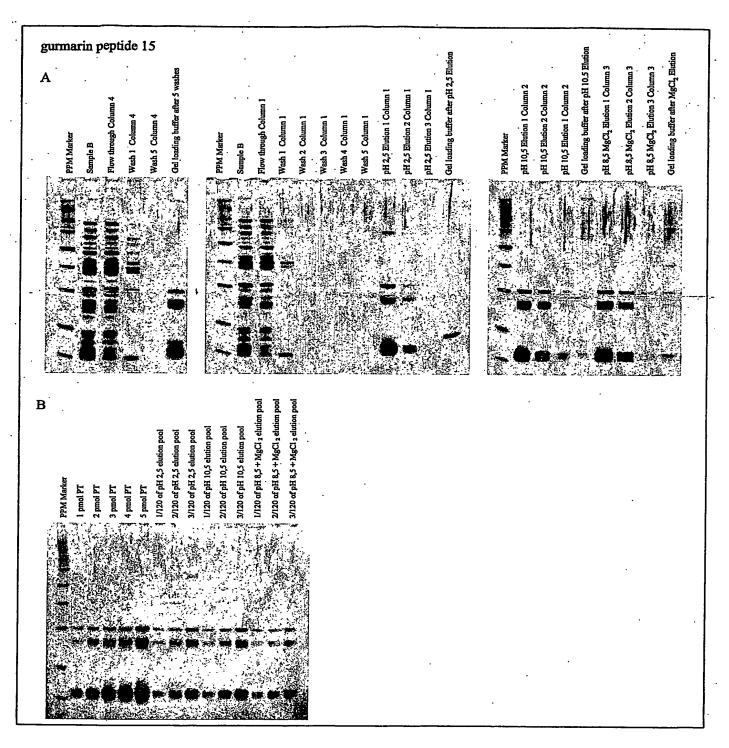
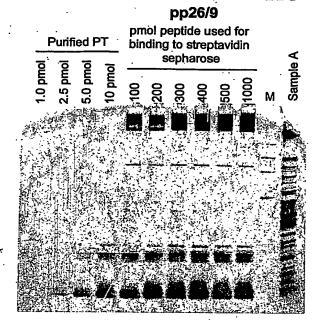
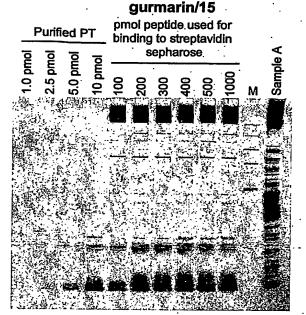
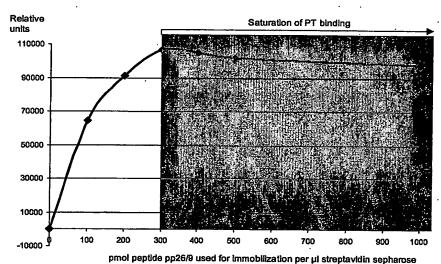


FIGURE 22

25/28 FIGURE 23







26/28

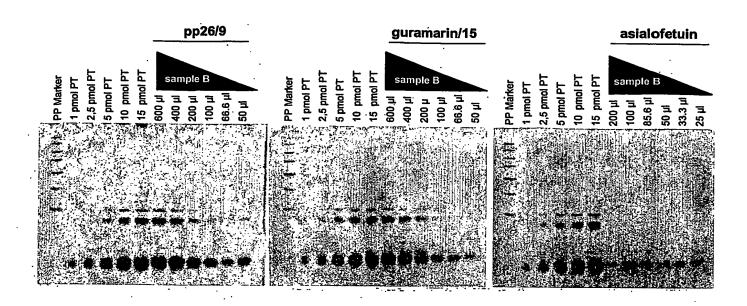
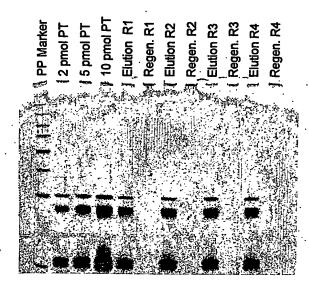


FIGURE 24



gurmarin/15



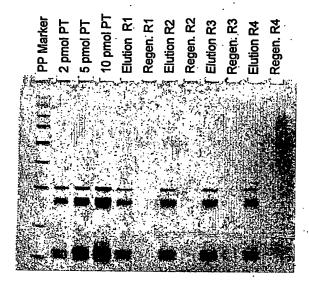


FIGURE 25

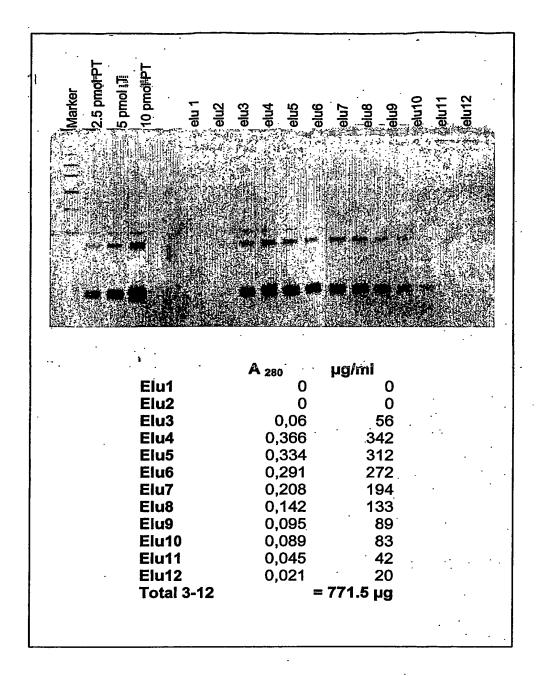


FIGURE 26

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